

**Claims**

1. A mixture of biocidally active compounds, characterized in that it comprises tetramethylolacetylenediurea (TMAD) and 1,2-benzisothiazolinone (BIT) and/or its sodium, potassium or lithium salt.  
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2. The mixture as claimed in claim 1, characterized in that the weight ratio of 1,2-benzisothiazolinone (BIT) and/or its sodium, potassium or lithium salt to tetramethylolacetylenediurea (TMAD) is from 9:1 to 1:9.  
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3. A microbiocidal composition, comprising an active compound mixture as claimed in at least one of claims 1 and 2 and at least one auxiliary from the group of the solvents or solvent mixtures, extenders, surfactants and, if appropriate, further antimicrobially active compounds.  
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4. The use of a mixture as claimed in at least one of claims 1 and 2 for protecting industrial materials against attack and/or destruction by microorganisms.
- 20 5. The use as claimed in claim 4, characterized in that the industrial materials are aqueous industrial products and aqueous functional fluids.
6. A method for protecting industrial materials against attack and/or destruction by microorganisms, characterized in that the industrial materials are treated or  
25 admixed with the mixture as claimed in at least one of claims 1 and 2.
7. A process for preparing a mixture as claimed in at least one of claims 1 and 2, characterized in that the individual components are mixed, if appropriate with addition of solvents or solvent mixtures, extenders, surfactants and further  
30 antimicrobially active compounds.
8. An industrial material, comprising an active compound mixture as claimed in at least one of claims 1 and 2.